

# Co-developing the School Health Research Network's (SHRN) school-level digital data dashboard



We co-developed a digital dashboard for schools to access their student SHRN data. We used user-centred design with multiple stakeholders in 3 phases:

1. We showed dashboard examples to school staff, students and a young person's advisory group so they could tell us what functions are important to add and how the dashboard should look.
2. We created a dashboard mock-up for feedback at SHRN events with school staff, a meeting with public health practitioners including Healthy School Co-ordinators, and via email with an advisory group of researchers and public health experts.
3. We built a coded prototype dashboard and ran workshops with school staff, a young people's advisory group, and public health researchers.

## You said

### Functionality



- Can the dashboard show data from different calendar years?
- Can there be an option to have the data in PDF format?
- Can there be case study examples of schools using SHRN data, and supportive resources to help guide schools.

### Design



- Keep to a simple design that is easy to navigate.
- Can the SHRN logo be re-positioned?
- Can we have the dashboard personalised with the school logo for each school showing?

### Usability



- We need manuals in multiple formats.
- Can the data be accessible, with easy to navigate graphs?
- Will there be a school login or an individual login?

### Understanding the data



- The SHRN survey questions should be available.
- Some stakeholders wanted to be able to select two variables to compare and plot on a graph, other stakeholders didn't want this.

## We did

- Schools will see data for each variable for every year they have taken part in the survey. A 'trends over time' graph is also included.
- Users can download graphs and data tables as PDFs.
- We have included a case studies page and a supportive resources page. These will both be refined in our next piloting phase.

- We kept the dashboard aesthetic simple and uncluttered.
- The SHRN logo is now clearer and is on every page.
- Having school logos would take a long time to implement so we will ask schools as part of our pilot if they think this is essential.

- We created manuals in a written and video format.
- Graphs are accessible and easy to read. The variable graphs are the same format as in the SHRN reports.
- The developer is currently working on producing a school log in facility.

- Where licensing laws allow, we have provided the questions for each variable.
- We decided against having a comparison function due to concerns that this could be misleading for users and lead to assumed relationships between measures.

See the prototype version of the dashboard at: <https://mappedsites.cardiff.ac.uk/shrn-dash/>.  
Our next phase will pilot the dashboard with four schools to continue to refine it.

